WHAT IS CLAIMED IS:

1. An intervehicular alarm system for transmitting and receiving alarm information between a transmitting vehicle and a receiving vehicle,

wherein said transmitting vehicle includes:

detecting means for detecting position information of said transmitting vehicle; and

transmitting means for transmitting said position information and alarm information; and

said receiving vehicle includes:

receiving means for receiving said position information and said alarm information transmitted from said transmitting vehicle;

output means for outputting said alarm information; and

control means for effecting control so that said alarm information is outputted from said output means when the control means determines on the basis of said position information that said transmitting vehicle is present within a predetermined distance from said receiving vehicle.

2. An intervehicular alarm system as claimed in claim 1,

wherein when said control means determines that

said transmitting vehicle is present within the predetermined distance from said receiving vehicle, said control means changes a direction of output of said alarm information from said output means according to a direction of said transmitting vehicle with respect to said receiving vehicle.

3. An intervehicular alarm system as claimed in claim 1,

wherein when said control means determines that said transmitting vehicle is present within the predetermined distance from said receiving vehicle, said control means changes output level of said alarm information from said output means according to distance between said receiving vehicle and said transmitting vehicle.

4. An intervehicular alarm system as claimed in claim 1,

wherein said transmitting means further transmits type information specifying a type of said alarm information;

said receiving means receives the type information specifying the type of said alarm information; and

said control means changes an output of said alarm information from said output means according to the

specified type of said alarm information.

5. An intervehicular alarm system as claimed in claim 4,

wherein the type information specifying the type of said alarm information specifies at least a horn signal.

6. An intervehicular alarm system as claimed in claim 4,

wherein said receiving vehicle further includes changing means for changing said predetermined distance according to the information specifying said alarm information.

7. An intervehicular alarm system as claimed in claim 6,

wherein said changing means changes said predetermined distance according to a type of a road where said receiving vehicle is located.

8. An intervehicular alarm system as claimed in claim 1,

wherein said transmitting means further transmits vehicle speed of said transmitting vehicle;

said receiving means receives said vehicle speed from said transmitting means; and

said control means changes output level of said alarm information according to said vehicle speed.

9. An alarm apparatus for use in an intervehicular alarm system, said apparatus comprising:

inputting means for inputting alarm information;

position detecting means for detecting a current position of a vehicle of said apparatus;

transmitting means for adding said current position to said alarm information and transmitting the resulting alarm information;

receiving means for receiving a signal including position information and alarm information from another vehicle;

calculating means for calculating a distance between the vehicle of said apparatus and said other vehicle on the basis of said current position and said position information; and

output control means for outputting said alarm information when the output control means determines that said distance is within a predetermined distance.

10. An alarm apparatus as claimed in claim 9,

wherein said calculating means calculates a direction of said other vehicle with respect to the vehicle of said apparatus; and

said output control means changes a direction of output of said alarm information according to the

calculated direction.

11. An alarm apparatus as claimed in claim 9,

wherein said output control means changes output level of said alarm information according to said distance.

12. An alarm apparatus as claimed in claim 9,

wherein said inputting means inputs a type of said alarm information;

said transmitting means further adds said type to said alarm information and transmits the resulting alarm information;

said receiving means receives a signal including said type from said other vehicle; and

said output control means changes an output of said alarm information according to said type.

13. An alarm apparatus as claimed in claim 12,

wherein said type of said alarm information represents a horn signal.

14. An alarm apparatus as claimed in claim 12,

wherein said output control means changes said predetermined distance for making determination according to said type of said alarm information.

15. An alarm apparatus as claimed in claim 9,

wherein said output control means changes said

predetermined distance for making determination according to a type of a road where the vehicle of said apparatus is located.

16. An alarm apparatus as claimed in claim 9,

wherein said transmitting means adds vehicle speed of the vehicle of said apparatus to said alarm information and transmits the resulting alarm information;

said receiving means receives a signal including said vehicle speed from said other vehicle; and

said output control means changes said predetermined distance for making determination according to said vehicle speed.